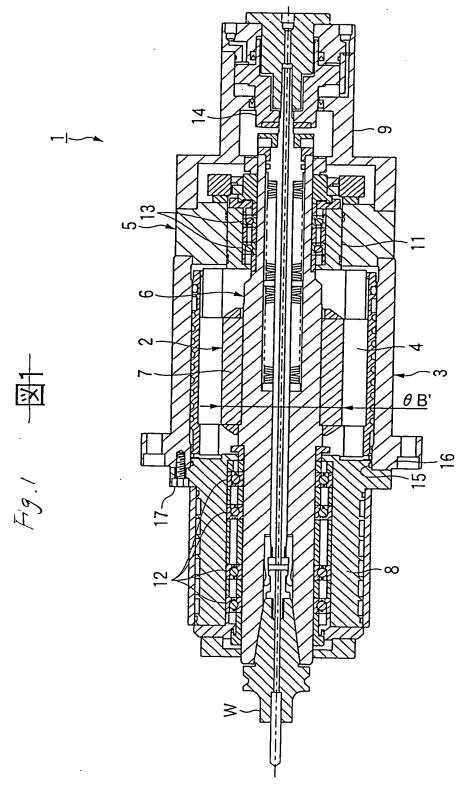
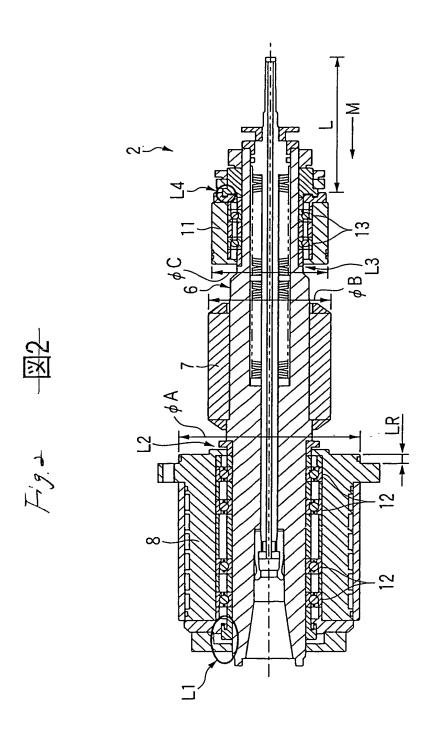
Sumio SUGITA, et al.
A SPINDLE APPARATUS AND ...
May 9, 2005
Darryl Mexic 202-293-7
Q87633
I of 29

202-293-7060

4

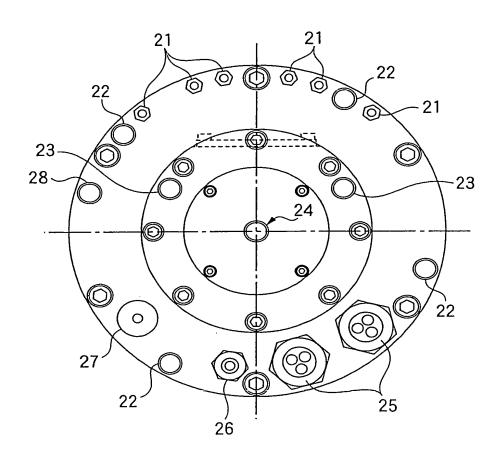


Sumio SUGITA, et al.
A SPINDLE APPARATUS AND ...
May 9, 2005
Darryl Mexic 202-293-7060
Q87633
2 of 29

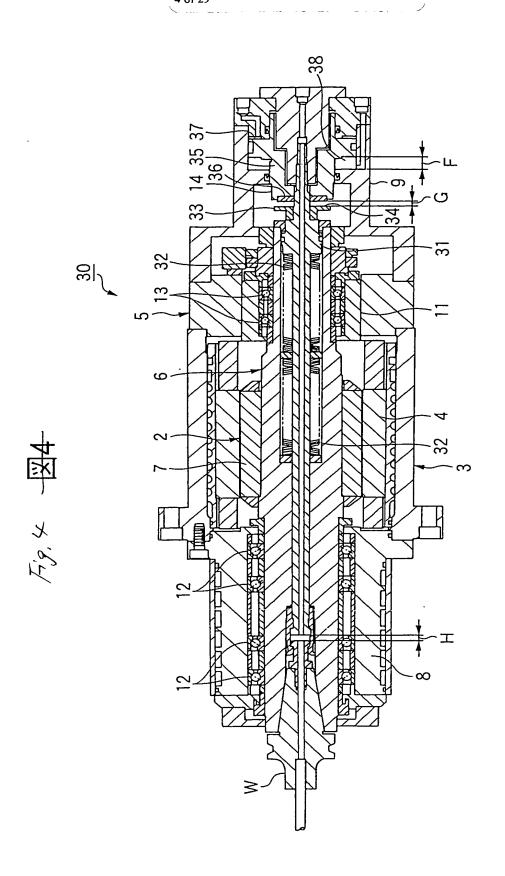


Sumio SUGITA, et al.
A SPINDLE APPARATUS AND ...
May 9, 2005
Darryl Mexic 202-293-7060
Q87633
3 of 29





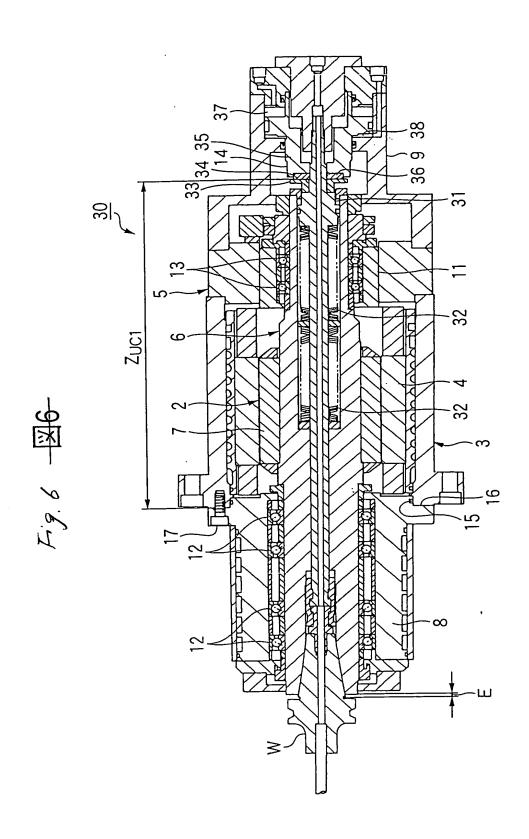
Sumio SUGITA, et al.
A SPINDLE APPARATUS AND ...
May 9, 2005
Darryl Mexic 202-293-7060
Q87633
4 of 29



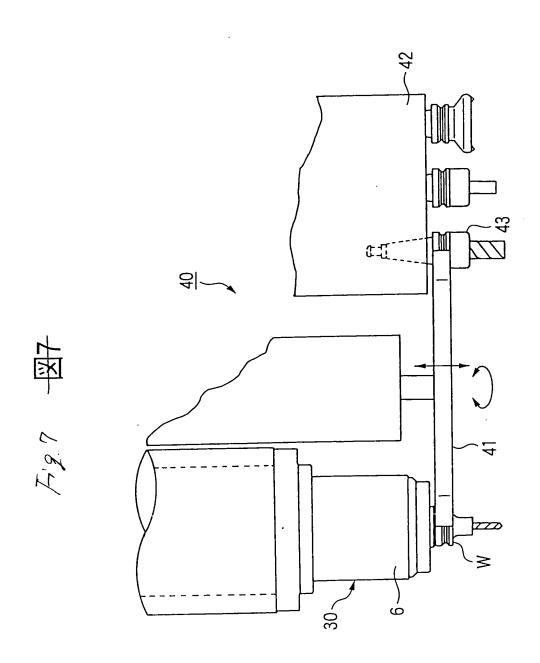
Sumio SUGITA, et al.
A SPINDLE APPARATUS AND ...
May 9, 2005
Darryl Mexic 202-293-7060
Q87633
5 of 29

2 7

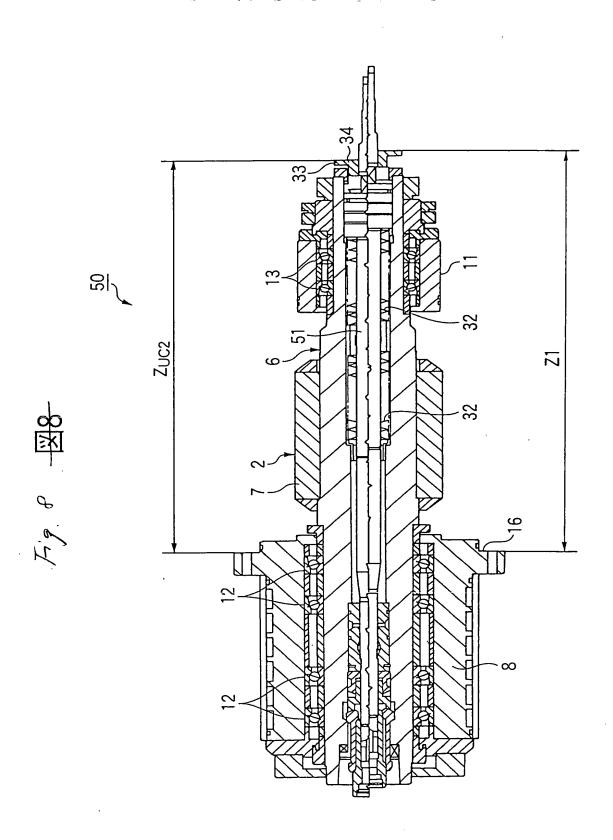
Sumio SUGITA, et al.
A SPINDLE APPARATUS AND ...
May 9, 2005
Darryl Mexic 202-293-7060
Q87633
6 of 29



Sumio SUGITA, et al.
A SPINDLE APPARATUS AND ...
May 9, 2005
Darryl Mexic 202-293-7
Q87633
7 of 29 202-293-7060

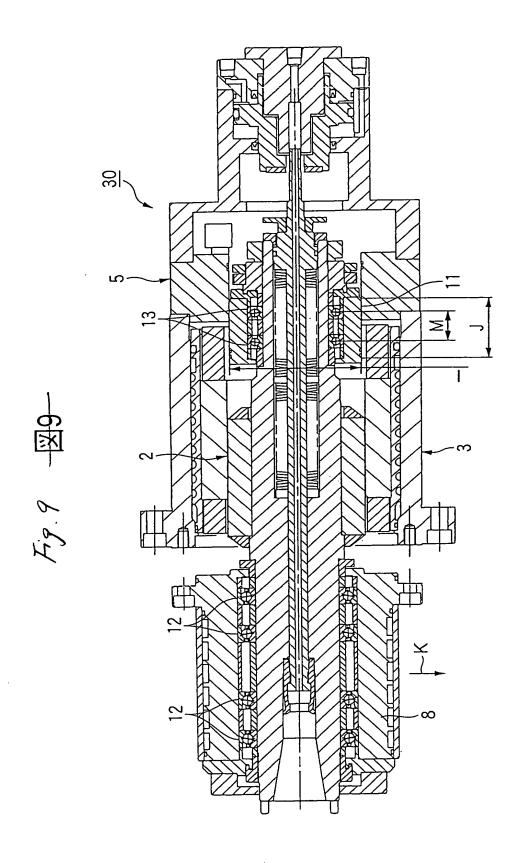


Sumio SUGITA, et al.
A SPINDLE APPARATUS AND ...
May 9, 2005
Darryl Mexic 202-293-7060
Q87633
8 of 29

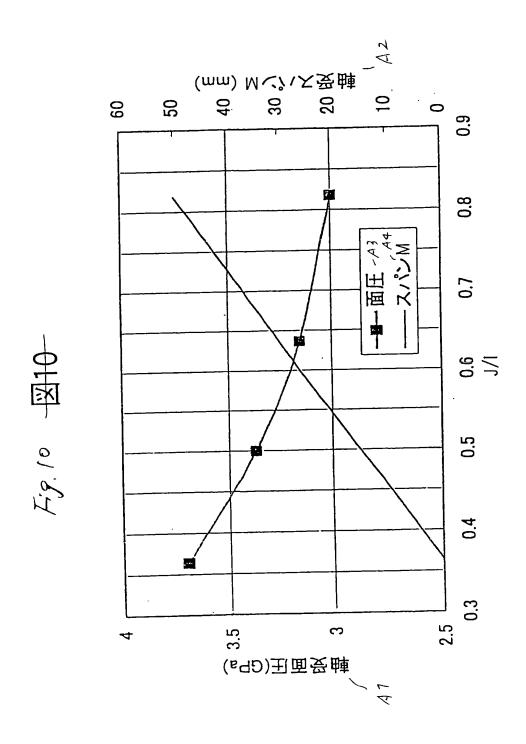


Sumio SUGITA, et al. A SPINDLE APPARATUS AND ... May 9, 2005 Darryl Mexic Q87633 9 of 29

202-293-7060

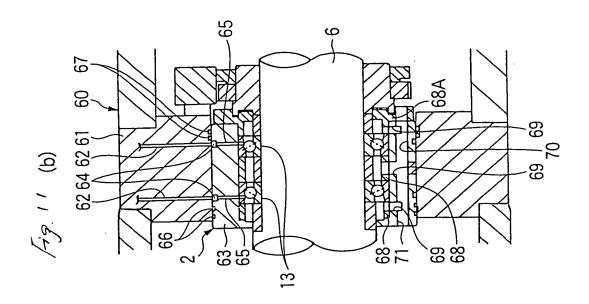


Sumio SUGITA, et al.
A SPINDLE APPARATUS AND ...
May 9, 2005
Darryl Mexic 202-293-7060
Q87633
10 of 29

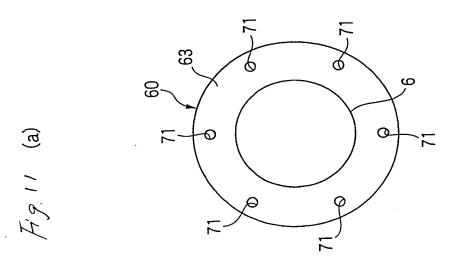


Sumio SUGITA, et al.
A SPINDLE APPARATUS AND ...
May 9, 2005
Darryl Mexic 202-293-7
Q87633
11 of 29

202-293-7060

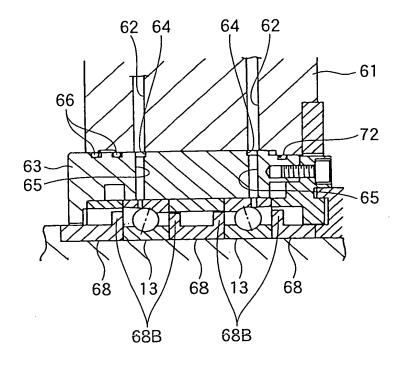




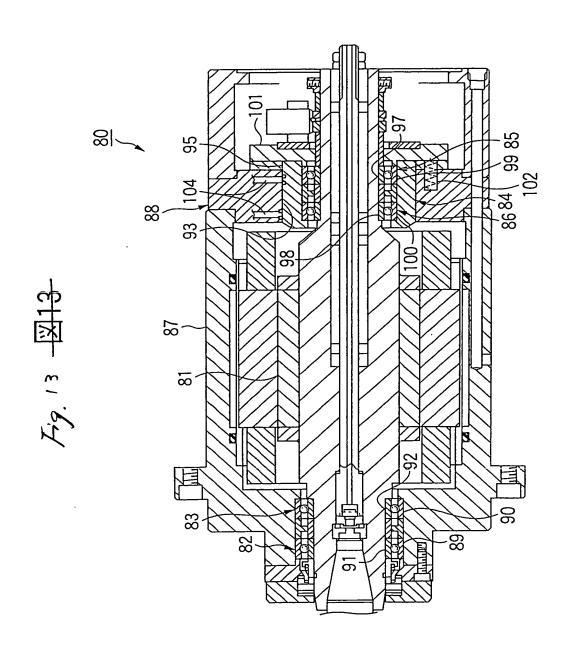


10/534354

Sumio SUGITA, et al. A SPINDLE APPARATUS AND ... May 9, 2005 Darryl Mexic Q87633 12 of 29 202-293-7060



Sumio SUGITA, et al.
A SPINDLE APPARATUS AND ...
May 9, 2005
Darryl Mexic 202-293-7060
Q87633
13 of 29



Sumio SUGITA, et al.
A SPINDLE APPARATUS AND ...
May 9, 2005
Darryl Mexic 202-293-7060
Q87633
14 of 29

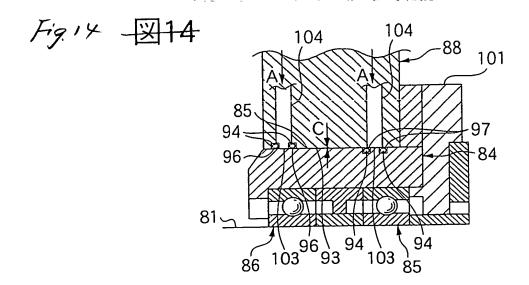
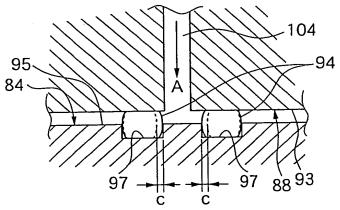
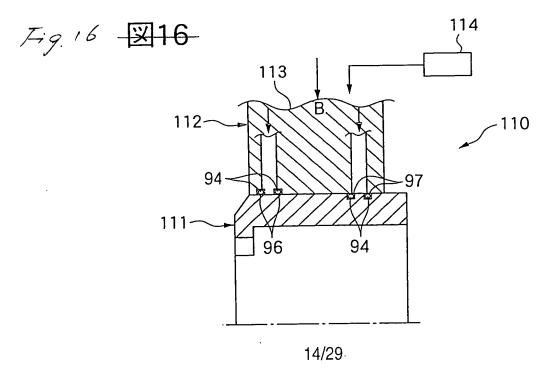


Fig. 15 图15





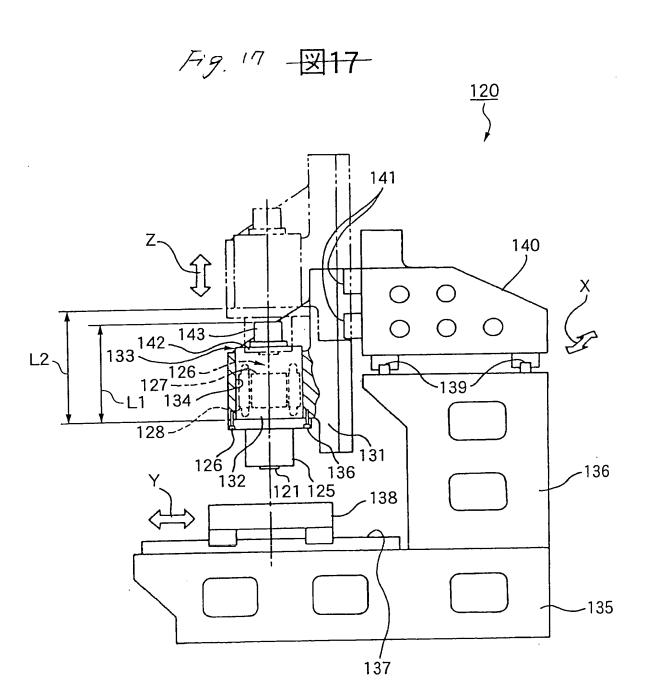
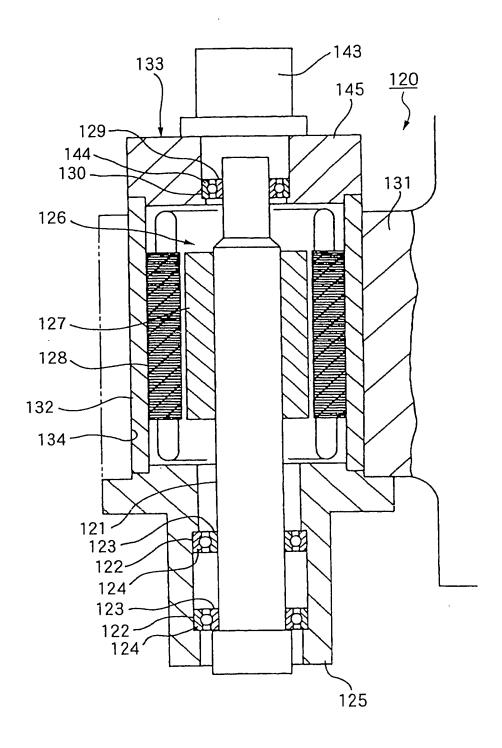


Fig.18 - 图18-



Sumio SUGITA, et al.
A SPINDLE APPARATUS AND ...
May 9, 2005
Darryl Mexic 202-293-7060
Q87633
17 of 29

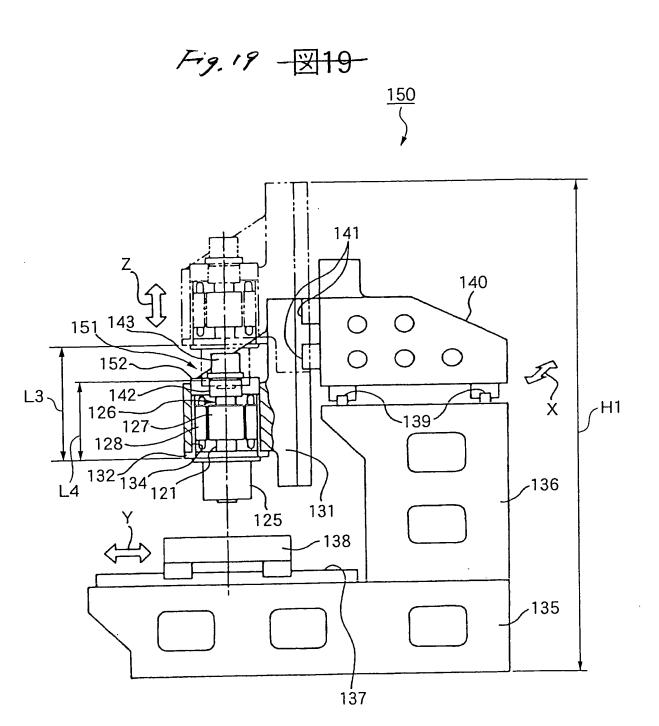
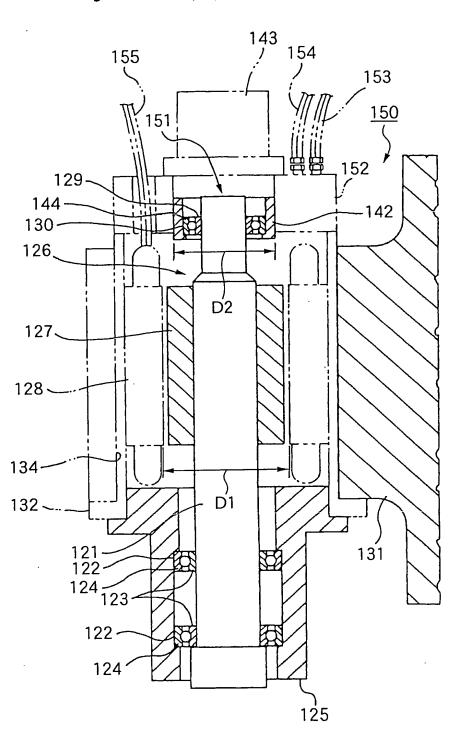
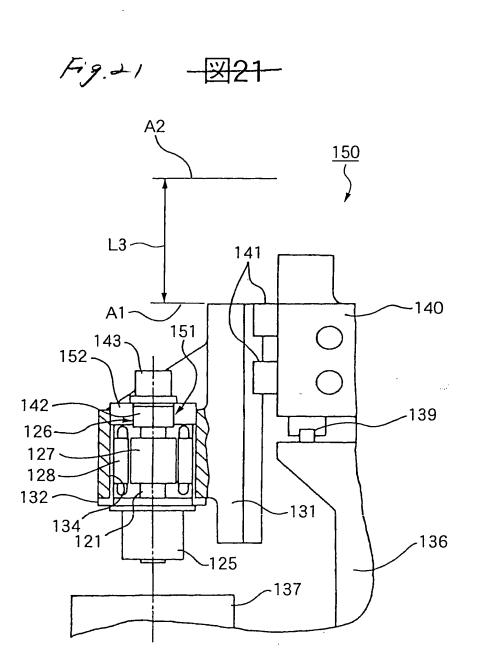


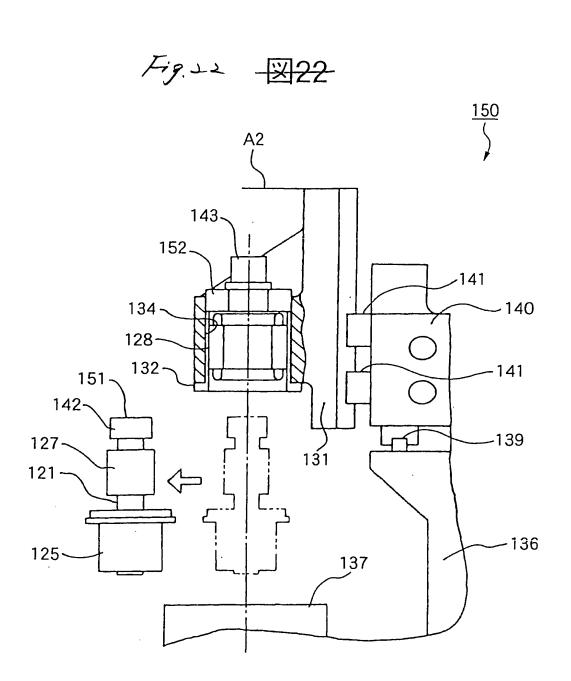
Fig. 20- ×20-



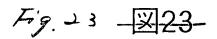


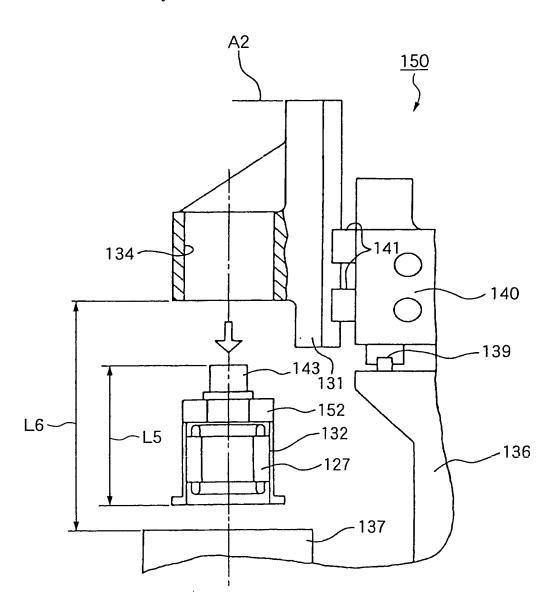
Sumio SUGITA, et al.

A SPINDLE APPARATUS AND ...
May 9, 2005
Darryl Mexic 202-293-7060
Q87633
20 of 29



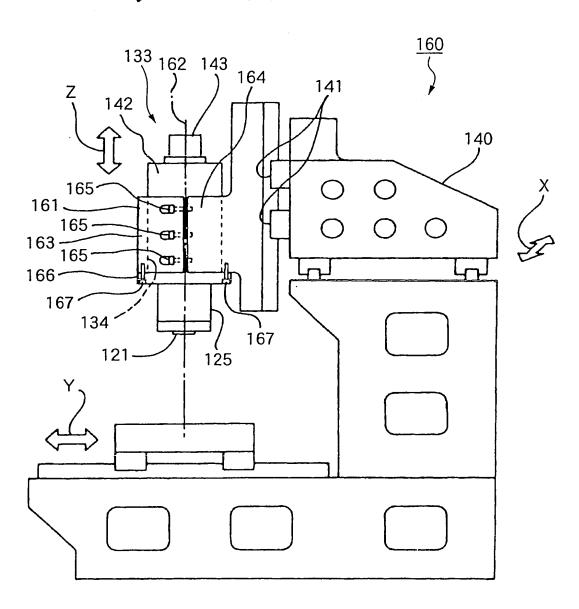
Sumio SUGITA, et al.
A SPINDLE APPARATUS AND ...
May 9, 2005
Darryl Mexic 202-293-7060
Q87633
21 of 29

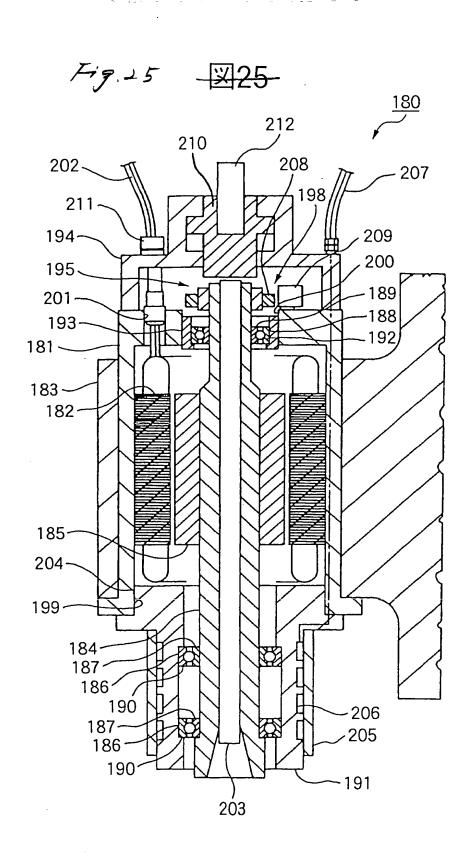




Sumio SUGITA, et al. A SPINDLE APPARATUS AND ... May 9, 2005 Darryl Mexic 202-293-7060 Q87633 22 of 29

Fig. 14 - 124





Sumio SUGITA, et al.
A SPINDLE APPARATUS AND ...
May 9, 2005
Darryl Mexic 202-293-7060
Q87633
24 of 29

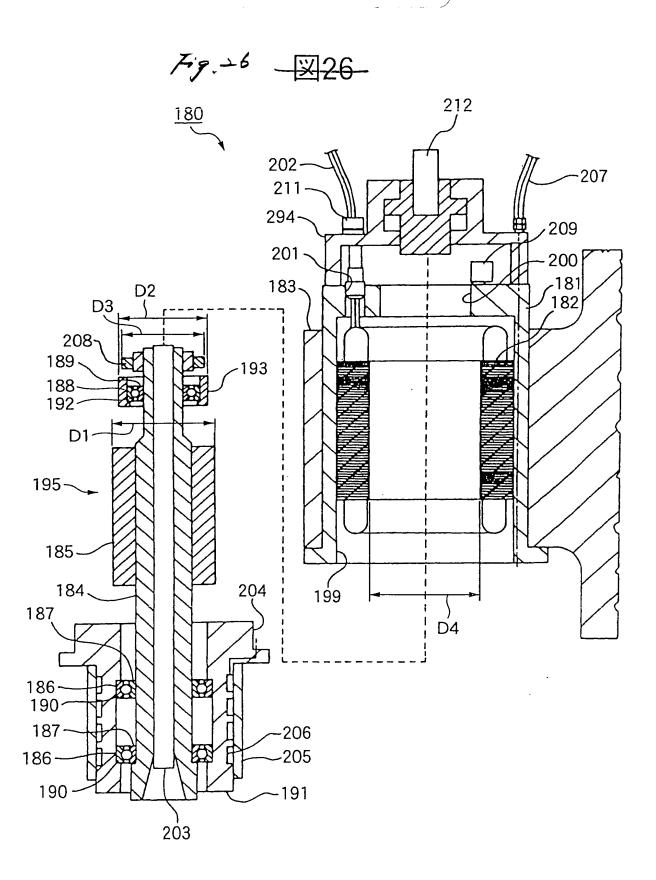
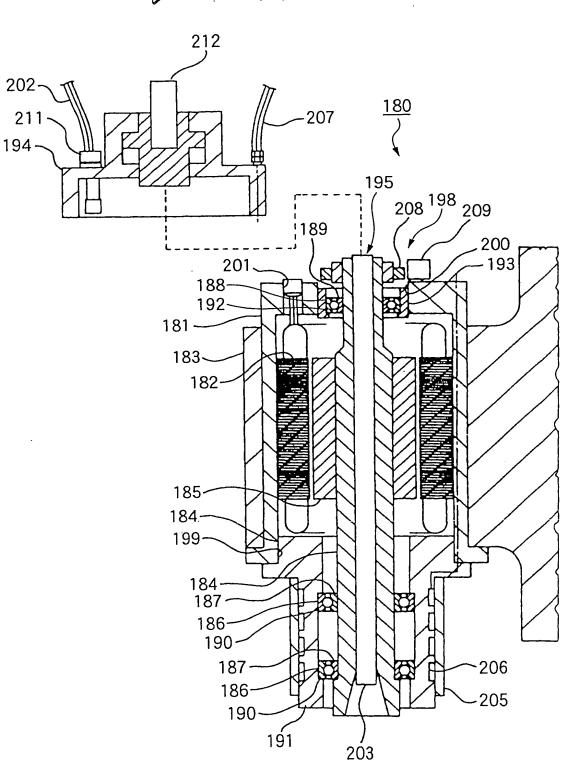


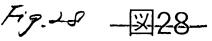
Fig. 27 - 图27-

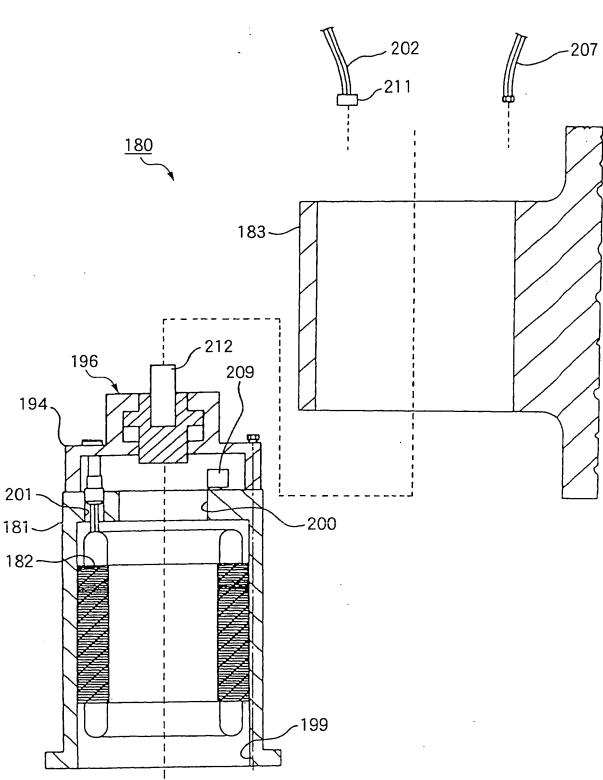


Sumio SUGITA, et al.
A SPINDLE APPARATUS AND ...
May 9, 2005
Darryl Mexic 202-293-7
Q87633
26 of 29

202-293-7060

101534354

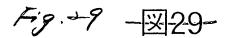




Sumio SUGITA, et al.
A SPINDLE APPARATUS AND ...
May 9, 2005
Darryl Mexic 202-293-7
Q87633
27 of 29

202-293-7060

10/534354



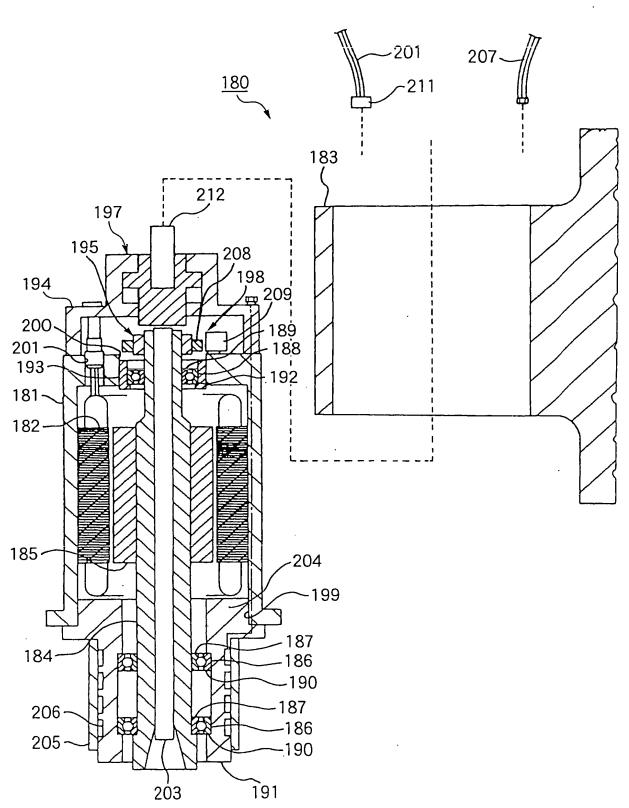
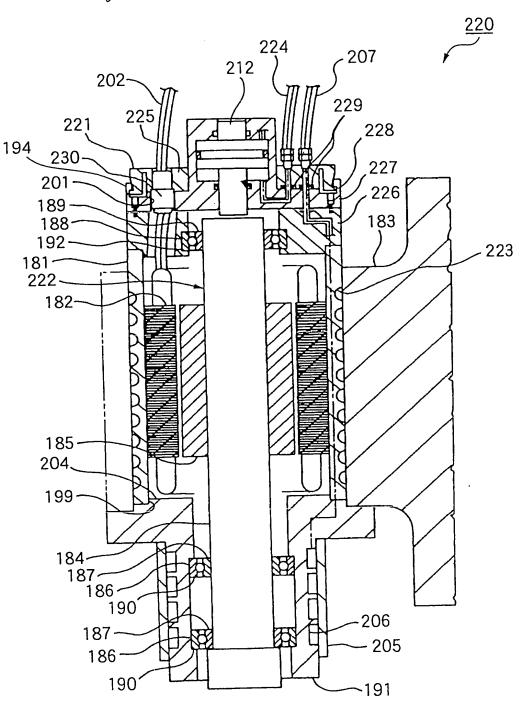


Fig. 30 -- 30-



ľ,

